

REFERENCE MANUAL

# ORCHESTRAL BRASS CLASSIC

PROJECTSAM  
cinematic sampling



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# INTRODUCTION

Dear ProjectSAM user,

Thank you very much for purchasing PROJECTSAM ORCHESTRAL BRASS CLASSIC, the re-release of the most respected symphonic brass series on the sample market: SAM Horns, SAM Trombones, SAM Trumpets and SAM Solo Sessions. Known for its ambient, cinematic sound, PROJECTSAM ORCHESTRAL BRASS CLASSIC is the only brass library that no film, TV or game composer can afford to be without.

For this re-release, the four individual ProjectSAM brass volumes were streamlined, modernized and merged into one Kontakt Player-based library, featuring repetition, simulated legato, octaver and on-screen keyswitch information. In addition, all sustains, including the solo brass, are now looped.

This reference manual will guide you through the different brass instruments, features and possibilities of the library.

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Enjoy!

Best regards,

The SAM Team



# INSTALLATION

Installation of ORCHESTRAL BRASS CLASSIC is easy and straightforward.

ORCHESTRAL BRASS CLASSIC comes on 2 DVDs. Installation of the included Kontakt Player is optional. If you already have Kontakt 3.5 or later, it is not required to install the Kontakt Player. In this case, it is enough to install the library only. If you do not have Kontakt 3.5 or later already, it is required to install the Kontakt Player.

## Installation under Windows Library Installation

### Library Installation

1. Insert Install DVD 1 into the optical drive.
2. Use the Windows Explorer to view the contents of the disk.
3. Start the installation by double-clicking the ORCHESTRAL BRASS CLASSIC Setup PC.exe.
4. The setup program will suggest C:\Documents and Settings\All Users\Documents as the path for the destination folder. You may also choose another folder or hard drive.
5. Once installation starts, the installer will automatically prompt you to insert the next DVD.

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### Kontakt Player Installation

After the library installation is finished, you may choose to install the Kontakt Player as well. The Kontakt Player installer can be found on disc 1.

## Installation under OS X

### Library Installation

1. Insert DVD 1 and double-click the file ORCHESTRAL BRASS CLASSIC Installer Mac.mkpg.
2. Choose a destination. Note that in this dialog any external drives will be unavailable, however, they can be selected in the next screen.
3. Press continue to install to the default location users/shared.
4. If you want to install to an alternate destination click the folder “shared” and choose “other”.
5. Press install to begin library installation.
6. Once installation starts, the installer will automatically prompt you to insert the next DVD.

## Activation

ORCHESTRAL BRASS CLASSIC will run in demo mode for 30 minutes, starting when the first patch is loaded. This means that after 30 minutes are up, and even after closing and re-opening your software, ORCHESTRAL BRASS CLASSIC needs to be activated before you can continue using it.

To activate ORCHESTRAL BRASS CLASSIC use the Native Instruments Service Center, which was installed during installation. The tool can be found in the Program Files menu folder (Windows) or the Applications folder (Mac OS X). After starting the Service Center, enter your ORCHESTRAL BRASS CLASSIC serial number found on the first page of this manual, then click Activate. After activating ORCHESTRAL BRASS CLASSIC you can check for library updates and additional content by going to the Updates tab in the Service Center.

## Updating

We recommend updating ORCHESTRAL BRASS CLASSIC to the latest version by logging in to the Native Instruments Service Center or Native Instruments website.

## Moving ORCHESTRAL BRASS CLASSIC to another HD or system

It is possible to move a ORCHESTRAL BRASS CLASSIC installation to another hard drive or computer. It is important that you move the entire product folder, so that the structure inside remains intact.

After moving ORCHESTRAL BRASS CLASSIC to another hard drive on the same computer, you will get a warning message the next time you start Kontakt. Click “Locate”. The “Content Missing” dialog opens. If you want to locate the folder manually, click on the “Browse for folder” button. This will open a dialog allowing you to set a path to your library’s new location. Alternatively, you can have Kontakt search the filesystem by itself.

After moving ORCHESTRAL BRASS CLASSIC to another computer, you will have to add it as a new library to Kontakt. Start Kontakt and click the “Add Library” button. Browse to the library’s location and confirm. Because you are now working on a new computer, the library needs to be activated using the Service Center.



# LIBRARY STRUCTURE

## MICROPHONE OPTIONS

PROJECTSAM ORCHESTRAL BRASS CLASSIC was recorded in a beautiful concert hall using multiple microphone sets: a Stage mic set for a cinematic, powerful, ambient sound and a Close mic set for a more intimate, drier sound. All instruments in this library are available in these two mic sets.

### 1 Stage

Recorded at approx. 7 meter from the players. Cinematic, ambient sound.

### 2 Close

Recorded at approx. 2 meter from the players. Intimate, dry sound.

## INSTRUMENTS FOLDER

The “Instruments” folders make up the main structure of ORCHESTRAL BRASS CLASSIC. An overview:

The “Instruments” folder makes up the main structure of PROJECTSAM ORCHESTRAL BRASS CLASSIC. Some folders contain subfolders to separate standard articulations from special effects, or to group specific brass instruments such as B-flat trumpet and Piccolo trumpet. An overview:

1 French Horn solo (11 programs)

2 French Horn section

/Articulations (13 programs)

/Effects (6 programs)

3 Trumpet solo

/B-flat trumpet (16 programs)

/Piccolo trumpet (13 programs)

- 4 Trumpet section
  - /Articulations (26 programs)
  - /Effects (11 programs)
- 5 Trombone solo
  - /Bass trombone (6 programs)
  - /Tenor trombone (14 programs)
- 6 Trombone section
  - /Articulations (16 programs)
  - /Effects (7 programs)
- 7 Tuba (15 programs)
- 8 Cimbasso (12 programs)

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#### **MULTIS FOLDER**

Multis are Kontakt presets that store a set of channel strips and instruments, creating larger sounds or ensembles. The Multis in PROJECTSAM ORCHESTRAL BRASS CLASSIC offer brass ensembles created by layering the individual instruments from the library. This has been done for a number of articulations:

- 01 SAM Brass Ensemble noble sustain
- 02 SAM Brass Ensemble epic sustain
- 03 SAM Brass Ensemble sustain DYN
- 04 SAM Brass Ensemble soft espressivo
- 05 SAM Brass Ensemble epic marcato
- 06 SAM Brass Ensemble short staccato

## ABBREVIATIONS

A number of abbreviations are used throughout PROJECTSAM ORCHESTRAL BRASS CLASSIC. To better understand the various articulations and techniques available in this library, please study the following abbreviation list, or keep it nearby as reference while working.

c	Close mic recording (at the end of program name)
s	Stage mic recording (at the end of program name)
KEY	Keyswitched articulations
DYN	Dynamics controlled using mod wheel (x-faded)
MOD	Articulation/version switched using mid wheel (up/down)
acc	With accent
accel	Accelerando
cresc	Crescendo
interv	Intervals
oct	Octave
shrt	Short
sus	Sustain (long note)
stac	Staccato
staccatiss	Staccatissimo (shorter than staccato)
smute	Straight mute (trumpets)
hmute	Harmon mute (trumpets)
vib	With vibrato
nonvib	Without vibrato



# THE PLAYER

## INTRODUCTION

PROJECTSAM ORCHESTRAL BRASS CLASSIC comes with the Native Instruments Kontakt Player. This cross-platform Player allows you to load the instrument programs without a full version of Kontakt installed, as a plug-in or standalone application. The Player also offers a set of intuitive controls and musical features customized for PROJECTSAM ORCHESTRAL BRASS CLASSIC. This includes release trigger control, master EQ control, simulated legato, repetition, octave, reverb and velocity curve control.

## MAIN PAGE



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Not all controls and features are available for each patch. For example, a staccato patch does not offer the legato option and a pre-recorded effect set might not have the octaver feature. Below is a description of all controls and features. All buttons have a MIDI cc number assigned for on/off automation from a sequencer. Middle C = C3.

### Program info

This window displays information about the currently loaded patch, and shows you what controllers are available. If you load a keyswitched patch the Program Info window will show the currently active keyswitch and the total amount of keyswitches available. It also tells you what articulation/effect is linked to the currently active keyswitch.

The keyswitches in this library generally start at C0. More information can be found in the chapter “Keyswitches”.

### **Octaver**

When enabled, this option adds an octave to the pitch or pitches you are playing. Pressing a D2 results in a D2 and D3 sounding. The Octaver makes sure no duplicate samples are triggered at the same time, which would result in phasing or other artifacts.

MIDI cc: 22.

### **Repetition**

Most staccato articulations in PROJECTSAM ORCHESTRAL BRASS CLASSIC feature round robin alternation, which means a different recording is played back each time you trigger a note, eliminating the famous “machine gun” effect (mechanical repetition of the same sample). Round robin is always turned on. In addition, the Repetition option can be enabled.

When enabled, neighboring zones are randomly alternated, resulting in a slightly different color or tone each time a key is repeated. Repetition is turned on by default for some patches and can also be turned off. Round robin is always turned on and cannot be turned off.

MIDI cc: 21.

### **Legato**

When Legato is enabled, the loaded patch switches to monophonic mode (one note sounding at a time). When connecting two notes, a gapless, simulated legato transition is created between the notes. Release triggers remain intact and will correctly sound for each note ambience in legato mode.

MIDI cc: 20.

### **Reverb**

PROJECTSAM ORCHESTRAL BRASS CLASSIC has been recorded in a concert hall. Therefore each sample has a natural amount of ambience and a warm, authentic reverberation tail. In addition, an internal Reverb effect can be switched on to add more reverb, without having to setup an external reverb outside the Player. The dry-wet ratio can be adjusted using the knob.

MIDI cc: 24 (reverb on/off).

## Master EQ

All orchestral patches in PROJECTSAM ORCHESTRAL BRASS CLASSIC have a subtle amount of equalization applied, giving them a polished, ready-to-go sound. The internal EQ is applied in realtime and is turned on by default. If you prefer to use the raw, unprocessed sounds, turn off the Master EQ button.

MIDI cc: 25.

## Settings

Click this button to access the Settings page. On this page, additional control features are available.

## SETTINGS PAGE



### Velocity

The velocity range and curve of the currently loaded patch can be changed. To set the minimum velocity the instrument should respond to, change the Min value. To set the maximum velocity the instrument should respond to, change the Max value. To change the velocity curve, use the Curve knob.

### Release trigger

All sustained articulations in PROJECTSAM ORCHESTRAL BRASS CLASSIC have release triggers, playing back the natural concert hall reverb tail when a note is ended. Release triggers are turned on by default, as it really helps improve realism and also eliminates using large external reverbs to match the concert hall recordings. Optionally, if you do want to disable the release triggers, resulting in completely dry note endings, the Release Trigger button can be turned off.

**Range**

By default, all patches offer the full instrument range that was sampled. If you wish to limit or cut off the instrument range you can do so using the Range feature. This can be useful when creating your own Multi banks, combining different instrument sections or articulations. To change the range, click the Learn Keyrange button. On your MIDI keyboard, first press the bottom key of the range you wish to set, then press the top key. For example: pressing C2, then G3 will set the new instrument range to C2-G3, only triggering notes within this range. To reset the range to full, double-click the Learn Keyrange button.

**Transpose**

Using the Transpose option, the currently loaded patch can be transposed up or down in semitones.



# ARTICULATION LIST

## SOLO FRENCH HORN

Sustain  
Diminuendo  
Espressivo  
Marcato long  
Marcato short  
Staccato  
Staccatissimo  
Phrases  
Crescendo fast

## FRENCH HORN SECTION (4 PLAYERS)

Sustain  
Stopped sustain  
Espressivo (crescendo-decrescendo)  
Marcato long  
Marcato mid  
Marcato short  
Staccato  
Hard sustain (with accent)  
Crescendo  
Crescendo fluttertongue  
Glissando  
Glissando sustained note  
Clusters  
Effect glissando  
Effect trills  
Effect textures

## **SOLO B-FLAT TRUMPET**

Sustain non vibrato

Sustain con vibrato 1/2

Sustain high blow only

Diminuendo

Marcato long

Marcato short

Staccato

Staccatissimo

Crescendo slow

Crescendo fast

Octave run

Octave run sustained note

Phrases

Intervals

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## **SOLO PICCOLO TRUMPET**

Sustain non vibrato

Sustain con vibrato

Sustain high blow only

Marcato long

Marcato short

Staccato

Staccatissimo

Crescendo slow

Crescendo fast

Octave run

Octave run sustained note

Phrases

Intervals

## **B-FLAT TRUMPET SECTION (3 PLAYERS)**

Sustain

Hard sustain (with accent)

Diminuendo

Espressivo (crescendo-decrescendo)

Marcato long

Marcato mid

Marcato short

Staccato

Staccatissimo

Crescendo slow

Crescendo fast

Falls & stabs

Straight mute sustain

Straight mute staccato

Straight mute staccatissimo

Straight mute crescendo

Harmon mute sustain

Harmon mute staccato

Harmon mute staccatissimo

Harmon mute crescendo

Intervals

Phrases

Wild phrases

Accelerandi effects

Clusters

## **SOLO TENOR TROMBONE**

Sustain

Hard sustain (with accent)

Diminuendo

Espressivo (crescendo-decrescendo)

Marcato long

Marcato short  
Staccato  
Staccatissimo  
Crescendo slow  
Crescendo fast  
Phrases  
Various effects

## **SOLO BASS TROMBONE**

Sustain  
Marcato long  
Marcato short  
Staccato  
Accented marcato

## **TENOR TROMBONE SECTION (3 PLAYERS)**

Sustain  
Hard sustain (with accent)  
Diminuendo  
Muted sustain  
Marcato long  
Marcato mid  
Marcato short  
Staccato  
Staccatissimo  
Crescendo slow  
Crescendo fast  
Crescendo fluttertongue  
Glissando  
Intervals  
Clusters  
Slides  
Effect textures

## **SOLO C TUBA**

Sustain Hard sustain (with accent)  
Diminuendo  
Espressivo (crescendo-decrescendo)  
Marcato long  
Marcato short  
Staccato  
Staccatissimo  
Staccato klezmer style  
Crescendo slow  
Crescendo fast  
Phrases  
Various effects

## **SOLO Cimbasso**

Sustain  
Hard sustain (with accent)  
Diminuendo  
Marcato  
Staccato  
Staccatissimo  
Crescendo slow  
Crescendo fast  
Phrases  
Effects



# KEYSWITCHES

Below is a list of keyswitch ranges and total number available.

For more detailed information about what articulation is linked to which keyswitch, see the instrument interface window.

F Hn Solo KEY	C0-F#0	7 keyswitches
F Hn Solo phrase KEY	C0-C#0	2 keyswitches
F Hn Sect KEY	C0-G#0	9 keyswitches
F Hn Sect intervals KEY	C0-D0	3 keyswitches
Bb Trp Solo KEY	C0-A0	10 keyswitches
Bb Trp Solo phrase KEY	C0-D0	3 keyswitches
Bb Trp Solo interv KEY MOD	C0-E0	5 keyswitches
P Trp Solo KEY	C0-G#0	9 keyswitches
P Trp Solo phrase KEY	C0-D0	3 keyswitches
P Trp Solo interv KEY MOD	C0-G0	8 keyswitches
Trp Sect KEY	C0-B0	12 keyswitches
Trp Sect intervals KEY MOD	C0-B0	12 keyswitches
B Tbn Solo KEY	C3-E3	5 keyswitches
T Tbn Solo KEY	E4-D#5	12 keyswitches
T Tbn Sect KEY	C0-A#0	11 keyswitches
T Tbn Sect intervals KEY	C0-G0	8 keyswitches
C Tuba KEY	F3-E4	12 keyswitches
C Tuba phrase KEY	C3-C#3	2 keyswitches
Cimbasso KEY	F4-D5	10 keyswitches





# SUPPORT

For product support related to the ORCHESTRAL BRASS CLASSIC library, please review the ORCHESTRAL BRASS CLASSIC FAQ first at **[www.projectsam.com](http://www.projectsam.com)** or e-mail us directly at **[support@projectsam.com](mailto:support@projectsam.com)**. Please note that you need to register ORCHESTRAL BRASS CLASSIC first in order to qualify for technical product support. You can do this at the ProjectSAM website.

For support and updates related to the full version of the Kontakt sampler, visit Native Instruments at **[www.native-instruments.com](http://www.native-instruments.com)**.



# CREDITS

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